

| FHWA<br>REGION NO | STATE | FED. AID<br>PROJ. NO | SHEET<br>NO. | TOTAL<br>SHEETS |
|-------------------|-------|----------------------|--------------|-----------------|
| 3                 | MD.   | N/A                  | 3            | 4               |

PROJECT DESCRIPTION

I. GENERAL

THIS PROJECT IS LOCATED AT THE INTERSECTION OF MD 214 (CENTRAL AVENUE) AT RITCHIE ROAD AND SUMMERFIELD BOULEVARD IN PRINCE GEORGE'S COUNTY AND INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC SIGNAL AND GEOMETRIC IMPROVEMENTS OF AN ADDITIONAL EASTBOUND LEFT TURN LANE ON MD 214, A WESTBOUND RIGHT TURN LANE ON MD 214, AND AN ADDITIONAL LEFT TURN LANE ON SOUTHBOUND SUMMERFIELD BOULEVARD. IT IS ASSUMED THAT MD 214 RUNS IN AN EAST-WEST DIRECTION.

II. INTERSECTION OPERATION

THE INTERSECTION WILL OPERATE IN A NEMA EIGHT (8) PHASE FULLY TRAFFIC ACTUATED MODE. THE MD 214 APPROACHES WILL OPERATE CONCURRENTLY WITH THE EASTBOUND MD 214 LEFT TURNS OPERATING IN AN EXCLUSIVE PHASE AND THE WESTBOUND MD 214 LEFT TURN OPERATING IN EXCLUSIVE/PERMISSIVE PHASES. THE RITCHIE ROAD AND SUMMERFIELD BOULEVARD APPROACHES WILL OPERATE SEPARATELY.

THE EXISTING EIGHT PHASE FULLY ACTUATED CONTROLLER WILL BE MODIFIED TO ADD FOUR (4) FOUR-CHANNEL DETECTOR AMPLIFIERS TO ACCOMMODATE THE NEW LEFT TURN LOOP DETECTOR ON EASTBOUND MD 214, THE NEW LEFT TURN LOOP DETECTOR ON SOUTHBOUND SUMMERFIELD BOULEVARD, THE QUEUE LOOP DETECTOR ON EASTBOUND AND WESTBOUND MD 214, AND THE SAMPLING LOOP DETECTORS ON SOUTHBOUND SUMMERFIELD BOULEVARD. A POLICE PUSHBUTTON WILL BE INSTALLED IN THE EXISTING CONTROLLER.

THE QUEUE LOOP DETECTOR ON EASTBOUND MD 214 WILL CALL PHASE 1.

III. SPECIAL NOTES

- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONFIRM GEOMETRICS PRIOR TO PLACING SIGNAL EQUIPMENT.
- THE SIGNAL SHOP WILL BE NOTIFIED TO PERFORM INTERNAL WIRING OF THE TRAFFIC SIGNAL CONTROLLER CABINET AT MD 214, RITCHIE ROAD AND SUMMERFIELD BOULEVARD. ALL NEW CABLE SHALL BE IDENTIFIED AND BROUGHT INTO THE CONTROLLER BY THE CONTRACTOR. THE CONTRACTOR SHALL NOTIFY MR. ED RODENHIZER AT (410) 787-7650 SEVENTY-TWO (72) HOURS IN ADVANCE OF THIS WORK.
- MOT PLATES FOR THIS PROJECT WILL BE AS FOLLOWS: 104.107, 105.00, 105.01, 105.02, 105.102, 105.104, 105.106, 105.202, 105.204, 105.214, AND 107.006.

CONTACT PERSONS FOR DISTRICT NO. 3 ARE AS FOLLOWS:

MR. CHARLIE WATKINS  
DISTRICT ENGINEER  
PHONE: (301) 513-7311

MR. MAJID SHAKIB  
ASSISTANT DISTRICT ENGINEER-TRAFFIC  
PHONE: (301) 513-7358

MR. CARTER WILSON  
ASSISTANT DISTRICT ENGINEER-MAINTENANCE  
PHONE: (301) 513-7304

MR. SONNY LAUER  
DISTRICT UTILITY ENGINEER  
PHONE: (301) 513-7350

MR. RICHARD L. DAFF  
CHIEF, TRAFFIC OPERATIONS DIVISION  
PHONE: (410) 787-7630

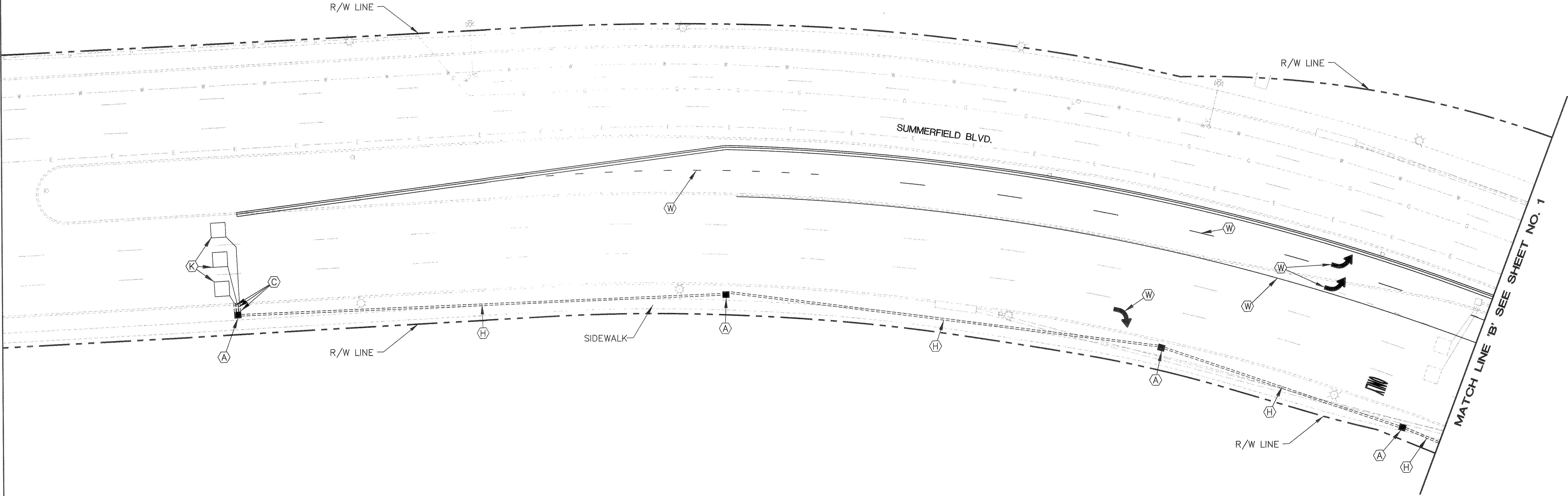
CONTACT PERSONS FOR PRINCE GEORGE'S COUNTY ARE AS FOLLOWS:

MR. ANDRE' ISSAYANS  
CHIEF, DIVISION OF TRAFFIC  
PHONE: (301) 883-5650

MR. JOHN J. GROEGER  
SECTION CHIEF, TRAFFIC DESIGN AND PLANNING  
PHONE: (301) 883-5650

THE POWER COMPANY REPRESENTATIVE IS AS FOLLOWS:

MR. RON BEESON  
PEPCO  
8300 OLD MARLBORO PIKE  
UPPER MARLBORO, MD 20772  
PHONE: (301) 967-5344

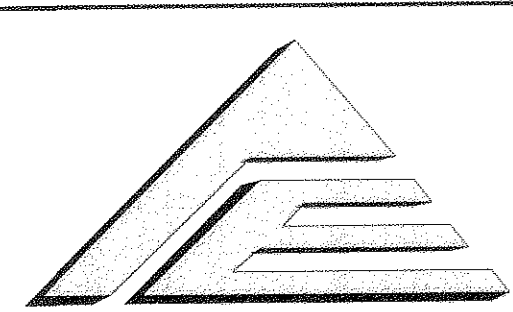


GEOMETRIC LEGEND

----- EXISTING  
----- PROPOSED

UTILITY LEGEND

----- G ----- GAS MAIN  
----- W ----- WATER MAIN  
----- S ----- SEWER MAIN  
===== STORM DRAIN  
----- TV ----- CABLE TELEVISION  
----- E ----- ELECTRIC CABLES  
----- T ----- TELEPHONE CABLES  
----- A ----- AERIAL CABLES



REVISION "D"  
**A/E GROUP, INC.**  
ENGINEERS • PLANNERS  
11409 Cronhill Drive  
Owings Mills, Maryland 21117  
A/E Job No. 96-316

| REVISIONS | APPROVALS                                  |
|-----------|--|
|           | CHIEF, SIGNAL DESIGN SECTION               |
|           | ASST. DISTRICT ENGINEER, TRAFFIC           |
|           | CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION |
|           | DIRECTOR, OFFICE OF TRAFFIC & SAFETY       |

MDOT - STATE HIGHWAY ADMINISTRATION

Office of Traffic & Safety

TRAFFIC ENGINEERING DESIGN DIVISION

SIGNAL # 16021402.78

DRAWN BY: T. D. ROBERGE

DES. BY: D. WALLACE

CHK. BY:

DATE: NOVEMBER 1981

SCALE: 1" = 20'

F.A.P. NO.

S.H.A. NO. BW964M82

TS/STD. NO.

399 D-GI

SHEET NO.

3 OF 4

**MD 214 AT  
SUMMERFIELD BLVD./RITCHIE ROAD**  
GENERAL INFORMATION COUNTY: PRINCE GEORGE'S